

Oregon Parks and Recreation Commission

February 23, 2023

Agenda Item: 8b

Action

Public Comment Allowed: **Yes**

Topic: Smith Rock Pedestrian Bridge Construction

Presented by: Tracy Johnson, Construction Project Manager

Background:

- This project is to replace the existing pedestrian bridge at Smith Rock State Park with a new pedestrian bridge.
- The existing bridge was built in the 1970's, and raised in the 1990's after a flood event. It is now approaching the end of its functional life span.
- The new bridge will be 8-foot wide (2-foot wider than existing), which will better accommodate pedestrian passing, and provide better access for emergency and maintenance activity.
- The scope of the construction project includes:
 - Mobilization and staging of contractor equipment in the overflow parking lot
 - Removal of the existing bridge
 - Renovations to the existing bridge abutments to accommodate the new bridge.
 - Construct the new bridge in the same location as the existing bridge.
 - Trail improvements to smooth the transition from existing trails to the bridge approaches.
- Proposed Project timeline:
 - Bidding March 2023
 - Contracting April / May 2023
 - Contractor Notice to Proceed May 2023
 - Construction Mobilization July 1, 2023
 - Construction Complete October 31, 2023
- Estimated Construction Budget: \$1,350,000, with an LWCF Grant of \$400,000 to cover approximately 30% of the construction cost.

Prior Action by Commission: None

Action Requested: Approval

Attachments: Site Plan and Bridge Elevation

Prepared by: Tracy Johnson, Construction Project Manager

SHEET NOTES

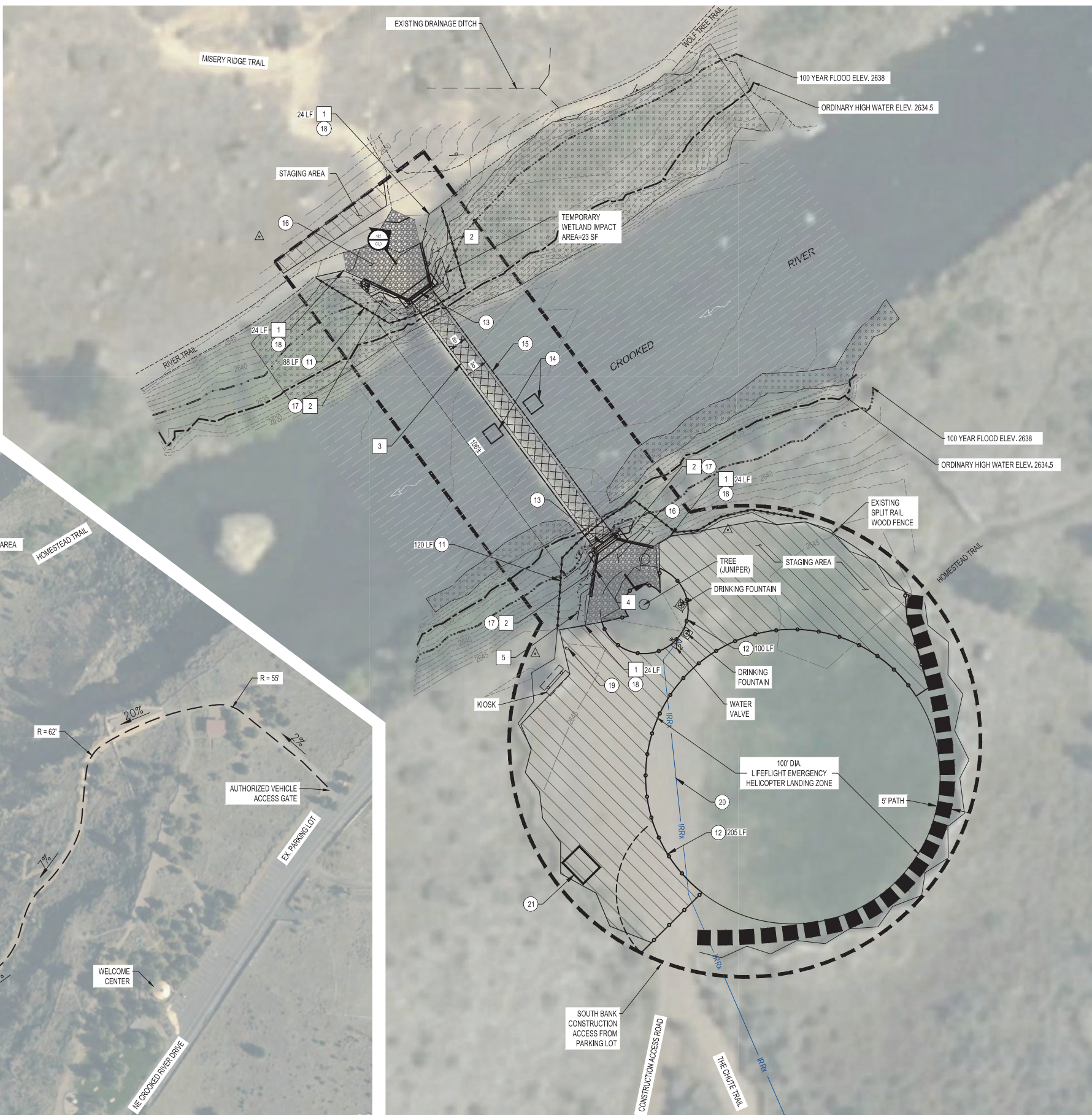
1. DUE TO TEMPORARY AND WETLAND IMPACTS FROM PROPOSED BRIDGE CONSTRUCTION, A JOINT PERMIT APPLICATION IS BEING PREPARED FOR THIS PROJECT TO OBTAIN APPROVAL FROM USACE, DSL, AND DEQ.
2. SEE STRUCTURAL DRAWINGS FOR BRIDGE DIMENSIONS, SPECIFICATIONS, AND DETAILS.
3. EMERGENCY HELICOPTER ACCESS WILL BE MAINTAINED THROUGHOUT CONSTRUCTION AT EXISTING 100' DIAMETER LANDING ZONE. IF NECESSARY DURING BRIDGE PLACEMENT VIA CRANE, OPRD WILL PROVIDE A TEMPORARY ALTERNATE LANDING LOCATION DURING IN COORDINATION WITH LIFEFLIGHT, REDMOND FIRE DEPARTMENT, AND DESCHUTES COUNTY SHERIFF.
4. ANY ITEMS NOT NOTED FOR REMOVAL OR DEMOLITION SHALL BE PROTECTED IN-PLACE OR RESTORED TO PRIOR CONDITION BY CONTRACTOR.
5. CONTRACTOR SHALL PREPARE AND FOLLOW A WORK ZONE SAFETY PLAN, IN COORDINATION WITH PARK MANGER, THAT DESCRIBES THE TIMING, LOCATIONS, AND METHODS OF TRAIL CLOSURES AND OTHER PARK USER PROTECTIONS FROM CONSTRUCTION HAZARDS.
6. CONTRACTOR SHALL REVIEW AND FAMILIARIZE THEMSELVES WITH SITE CONDITIONS IN FIELD PRIOR TO COMMENCING WORK, ROAD GRADING, WIDENING, OR OTHER IMPROVEMENTS ARE NOT ANTICIPATED AS PART OF THIS CONTRACT.

2/5/2023 6:38 PM - (u:\Bend\Projects\Clients\4011-oregon_park & rec_dept\297-4011-014-smithrockbridgeprep\99Svcs\CADD\DWG\SHEETS\C2.0 SITE PLAN.dwg - Ryan Rudnick



VICINITY MAP
SCALE IN FEET
0 100' 200'

NOTE: ACCESS ROAD AVERAGE SLOPES AND TURNING RADII ARE PROVIDED FOR GENERAL REFERENCE. SLOPES AND RADII MAY EXCEED THESE VALUES AT PARTICULAR LOCATIONS.



SITE PLAN
SCALE IN FEET
0 20' 40'

DEMO NOTES

1. REMOVE EXISTING WOOD RAIL/FENCE FROM THIS POINT TO EXISTING BRIDGE AND SALVAGE ONSITE FOR REUSE.
2. REMOVE VEGETATION BETWEEN GRADING LIMITS AND TRAIL. SALVAGE WILLOW CUTTINGS, NATIVE SHRUBS, AND ROCK FROM GABION BASKETS ONSITE FOR REUSE. SEE PLANTING PLAN ON SHEET C4.0.
3. REMOVE EXISTING 6' WIDE BRIDGE ONCE TEMPORARY SUPPORT STRUCTURES ARE IN PLACE. CONTRACTOR TO SECURE HEAVY-DUTY NETTING OR TARPS BENEATH BRIDGE DURING DEMOLITION FOR DEBRIS CONTAINMENT AND DISPOSAL OFFSITE. SEE STRUCTURAL PLANS.
4. REMOVE EXISTING POST WITH BAG DISPENSER AND SALVAGE FOR REINSTALLATION.
5. REMOVE EXISTING SIGN AND SALVAGE FOR REINSTALLATION.

CONSTRUCTION NOTES

11. INSTALL SEDIMENT FENCE
12. INSTALL TREE PROTECTION FENCING
13. CONSTRUCT BRIDGE PILES, ABUTMENTS, AND WING WALLS PER STRUCTURAL PLANS.
14. CONSTRUCT TEMPORARY SUPPORT STRUCTURES PER STRUCTURAL PLANS.
15. CONSTRUCT 8' WIDE GLU-LAM BRIDGE STRUCTURE PER STRUCTURAL PLANS, WITH TEMPORARY SUPPORT STRUCTURES IN PLACE.
16. BACKFILL BRIDGE ABUTMENTS WITH ONSITE MATERIAL, SCREENED TO 3" MINUS, AND COMPACTED TO 95% DENSITY IN LIFTS 12" MAX THICKNESS. PLACE AND COMPACT 8" AGGREGATE BASE, MATCHING EXISTING TRAIL SURFACE ONSITE.
17. REGRADE SOIL AROUND NEW ABUTMENTS AND WING WALLS PER SHEET C3.0. REVEGETATE PER PLANTING PLAN ON SHEET C4.0. SEE SHEET C5.0 FOR SLOPE DETAIL.
18. RE-INSTALL SALVAGED SPLIT-RAIL FENCING UP TO NEW BRIDGE APPROACH RAILING.
19. SALVAGE AND REINSTALL POST WITH BAG DISPENSER.
20. APPROXIMATE LOCATION OF EXISTING WATER LINE. CONTRACTOR TO PROTECT IN PLACE AND RESTORE IF DAMAGED.
21. INSTALL CONCRETE WASHOUT PER ODOT STANDARD DRAWING RD1070 OR 8'X10'X12" PVC CONCRETE WASHOUT MANUFACTURED BY OUTPAD (OR APPROVED ALTERNATE).

LEGEND

- 100 YEAR FLOOD (Elev. 2638.0)
- ORDINARY HIGH WATER (Elev. 2634.5)
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- SEDIMENT FENCE
- TREE PROTECTION FENCE
- ACCESS PATH
- PROJECT BOUNDARY
- WETLANDS
- WATER
- DEMOLISH
- STAGING AREA



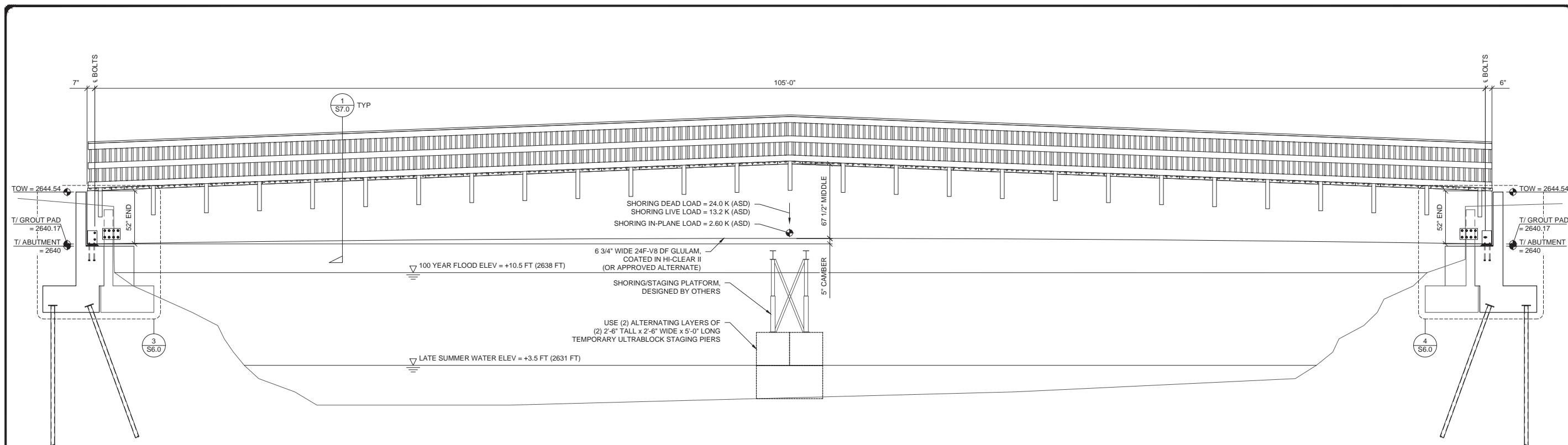
REVISION	DATE	BY

APPROVED BY	CHECKED BY	DESIGNED BY	DRAWN BY	DATE
RWR	RWR	COL	COL	02/03/2023



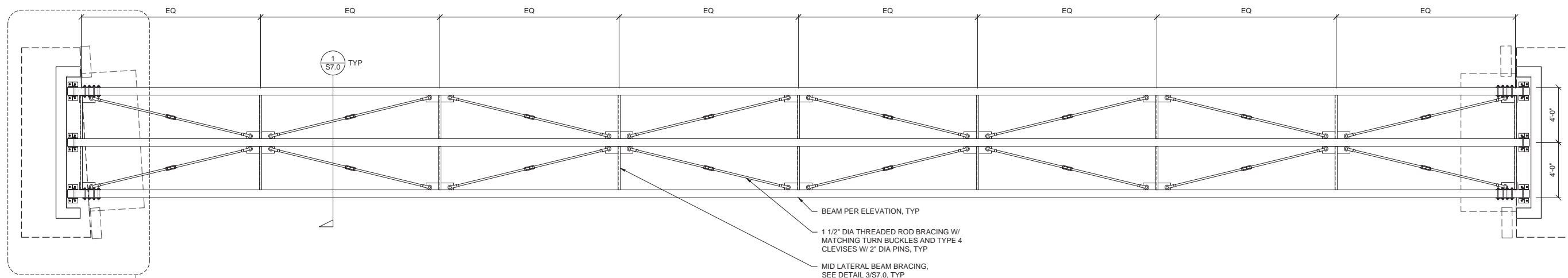
CONSTRUCTION DOCUMENTS
SITE PLAN
FOOT BRIDGE REPLACEMENT
SMITH ROCK STATE PARK
OREGON PARKS AND RECREATION DEPARTMENT

SHEET:	C2.0
OPRIS#:	34059
CONTRACT #:	9329



1 PROPOSED BRIDGE ELEVATION
S5.1

1/4" = 1'-0"

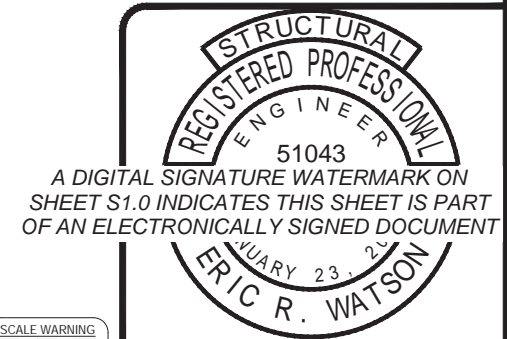


2 PROPOSED BRIDGE PLAN
S5.1

NOTE: GUARDRAIL AND DECKING NOT SHOWN

1/4" = 1'-0"

SCALE WARNING
If scale bar doesn't measure one inch then drawing is not to scale.



EXPIRES: 06 - 30 - 2024

REVISION	DATE	BY

APPROVED BY	ERW	CHECKED BY		DESIGNED BY	KEG	DRAWN BY	BCH	DATE	02/03/2023
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BRIDGE ELEVATION & PLAN
 PEDESTRIAN BRIDGE REPLACEMENT
 SMITH ROCK STATE PARK
 OREGON PARKS AND RECREATION DEPARTMENT

SHEET:	S5.1
HUB #:	